

ABSTRACT OF THE DISCLOSURE

5        Recombinant protein complexes having human Factor  
VIII:C activity are expressed in a eukaryotic host cell by  
transforming the host cell with first and second expression  
cassettes encoding a first polypeptide substantially homologous  
to human Factor VIII:C A domain and a second polypeptide sub-  
10        stantially homologous to human Factor VIII:C C domain, respect-  
ively. In the present invention, the first polypeptide may be  
extended having at its C-terminal a human Factor VIII:C B  
domain N-terminal peptide, a polypeptide spacer of 3-40 amino  
acids, and a human Factor VIII:C B domain C-terminal peptide.  
15        Expression of the second polypeptide is improved by employing  
an  $\alpha_1$ -antitrypsin signal sequence.

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